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To: Mail Stop AMENDMENT From: Mikio Ishimaru
Examiner Stephen W. Smoot

Fax: (703) 872-9306 Pages: 12, including this page
TC 2813 - Before Final

Phone: (571) 272-1698 Date: August 27, 2004

Re: U.S. Patent Application Serial CC:
No. 10/608,883

☒ Response/Amendment to Office Action ☐ Information ☐ Other

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Dear Examiner Smoot:

Attached are a Certificate of Transmission, Transmittal, and Response/Amendment to the Office Action dated May 27, 2004, for U.S. Patent Application Serial No. 10/608,883 (attorney docket no. F0361.C1.D1).

Respectfully submitted,



Mikio Ishimaru
Reg. No. 27,449

PTO/SB/97 (08-03)

Approved for use through 7/31/2006, OMB 0851-0031


U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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With reference to serial number 10/608,883, the following are
being submitted:

Fax Cover Sheet
Certificate of Transmission
Transmittal
Response/Amendment

This collection of information is required by 37 CFR 1.8. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.8 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Docket No.: F0361.C1.D1

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Steven C. Avanzino et al.

: Confirmation No.: 7845

Serial No.: 10/608,883

: Examiner: Stephen W. Smoot

Filed: 6/26/2003

: Group Art Unit: 2813

For:

AN INTEGRATED CIRCUIT WITH
DIELECTRIC DIFFUSION BARRIER
LAYER FORMED BETWEEN
INTERCONNECTS AND
INTERLAYER DIELECTRIC LAYERS

TRANSMITTAL FOR ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Response / Amendment	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> After Final	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Affidavits/Declaration(s)	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Information Disclosure Statement, PTO Form-1449, & cited Reference(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	• Certificate of Transmission
<input type="checkbox"/> Response to Missing Parts/Incomplete Application	<input type="checkbox"/> Request for Refund	• Fax Cover Sheet
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	Remarks	

The fee, if required, has been calculated as shown below:

	NO. OF CLAIMS	HIGHEST PREVIOUSLY PAID FOR	EXTRA CLAIMS	RATE	FEE
Total Claims	8	20	0	x \$18 =	\$ 0.00
Independent Claims	2	3	0	x \$86 =	\$ 0.00
If multiple claims newly presented, add \$290					
Fee for extension of time					
Other:					
TOTAL FEE					\$0.00

- ☐ Please charge Deposit Account No. 01-0365 in the amount of \$ 0.00. An additional copy of this transmittal sheet is submitted herewith.
- ☒ The Commissioner is hereby authorized to charge payment of any fees associated with this communication or credit any overpayment, to Deposit Account No. 01-0365, including any filing fees under 37 CFR 1.16 for presentation of extra claims and any patent application processing fees under 37 CFR 1.17.

Respectfully submitted,



Mikio Ishimaru
Registration No. 27,449
Date: August 27, 2004

Docket No.: F0361.C1.D1

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Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RESPONSE /AMENDMENT

UNDER 37 CFR §1.111

Sir:

The following Amendment and Remarks are submitted under 37 CFR §1.111 in response to the Office Action mailed May 27, 2004, following the format as set forth under 37 CFR §1.121. After this introductory section, there are Amendments to the Specification and then Remarks, each starting on a separate page.

Amendments to the Specification consist of amending the Cross-Reference to Related Applications section. Amendments to the Claims consist of amendments for claims 11 and 15, which are incorporated in a complete listing of the claims.